

Listing of Claims

1 1-12. (Cancelled).

1 13. (Previously Presented) A computer readable medium containing computer readable
2 code, the medium comprising:
3 a code segment for executing two computational operations if either
4 computational operation does not violate a limit, and both computational
5 operations do not operate upon a same element of a data structure;
6 a code segment for executing the two computational operations if either
7 computational operation does not violate the limit, both computational
8 operations operate upon the same element, and both computational
9 operations are addition operations; and
10 a code segment for executing the computational operations if one but not the other
11 of the computational operations violates the limit, both computational
12 operations operate upon the same element, and both computational
13 operations are assignment operations that assign a same value to the same
14 element.

1 14. (Previously Presented) A method for executing two computational operations upon
2 elements of a data structure, the method comprising the steps of:
3 determining if one or more of two computational operations does not violate a
4 limit;

5 executing the two computational operations if either computational operation does
6 not violate the limit, and both computational operations do not operate
7 upon a same element;
8 executing the two computational operations if:
9 both computational operations operate upon the same element,
10 both computational operations are addition operations, and
11 one or none of the computational operations violate a limit, but not if both
12 of the two computational operations violate a limit; and
13 executing the computational operations if either computational operation does not
14 violate the limit, both computational operations operate upon the same
15 element, and both computational operations are assignment operations that
16 assign a same value to the same element.

1 15-16. (Cancelled).

1 17. (Currently Amended) The method of claim 12, further including A method for
2 executing two computational operations upon elements of a data structure, the
3 method comprising the steps of:
4 executing the two computational operations if either computational operation does
5 not violate a limit, and both computational operations do not operate upon
6 a same element;
7 executing the two computational operations if either computational operation does
8 not violate the limit, both computational operations operate upon the same
9 element, and both computational operations are addition operations;

10 executing the computational operations if either computational operation does not
11 violate the limit, both computational operations operate upon the same
12 element, and both computational operations are assignment operations that
13 assign a same value to the same element; and
14 executing the two computational operations if one but not the other of the
15 computational operations violates a limit, and both computational
16 operations do not operate upon a same element.

1 18. (New) A method comprising:
2 executing two computational operations if either computational operation does
3 not violate a limit, and both computational operations do not operate upon
4 a same element of a data structure;
5 executing the two computational operations if either computational operation does
6 not violate the limit, both computational operations operate upon the same
7 element, and both computational operations are addition operations; and
8 executing the computational operations if one but not the other of the
9 computational operations violates the limit, both computational operations
10 operate upon the same element, and both computational operations are
11 assignment operations that assign a same value to the same element.

1 19. (New) A system comprising:
2 means for executing two computational operations if either computational
3 operation does not violate a limit, and both computational operations do
4 not operate upon a same element of a data structure;

5 means for executing the two computational operations if either computational
6 operation does not violate the limit, both computational operations operate
7 upon the same element, and both computational operations are addition
8 operations; and
9 means for executing the computational operations if one but not the other of the
10 computational operations violates the limit, both computational operations
11 operate upon the same element, and both computational operations are
12 assignment operations that assign a same value to the same element.

1 20. (New) A computer readable medium containing computer readable code, the code
2 comprising:
3 a code segment for determining if one or more of two computational operations
4 does not violate a limit;
5 a code segment for executing the two computational operations if either
6 computational operation does not violate the limit, and both computational
7 operations do not operate upon a same element;
8 a code segment for executing the two computational operations if:
9 both computational operations operate upon the same element,
10 both computational operations are addition operations, and
11 one or none of the computational operations violate a limit, but not if both
12 of the two computational operations violate a limit; and
13 a code segment for executing the computational operations if either computational
14 operation does not violate the limit, both computational operations operate

15 upon the same element, and both computational operations are assignment
16 operations that assign a same value to the same element.

1 21. (New) A system comprising:

2 means for determining if one or more of two computational operations does not
3 violate a limit;

4 means for executing the two computational operations if either computational
5 operation does not violate the limit, and both computational operations do
6 not operate upon a same element;

7 means for executing the two computational operations if:

8 both computational operations operate upon the same element,

9 both computational operations are addition operations, and

10 one or none of the computational operations violate a limit, but not if both
11 of the two computational operations violate a limit; and

12 means for executing the computational operations if either computational

13 operation does not violate the limit, both computational operations operate
14 upon the same element, and both computational operations are assignment
15 operations that assign a same value to the same element.

1 22. (Currently Amended) A computer readable medium containing computer readable

2 code, the code comprising:

3 a code segment for executing the two computational operations if either

4 computational operation does not violate a limit, and both computational
5 operations do not operate upon a same element;

6 a code segment for executing the two computational operations if either
7 computational operation does not violate the limit, both computational
8 operations operate upon the same element, and both computational
9 operations are addition operations;
10 a code segment for executing the computational operations if either computational
11 operation does not violate the limit, both computational operations operate
12 upon the same element, and both computational operations are assignment
13 operations that assign a same value to the same element; and
14 a code segment for executing the two computational operations if one but not the
15 other of the computational operations violates a limit, and both
16 computational operations do not operate upon a same element.

1 23. (New) A system comprising:
2 means for executing the two computational operations if either computational
3 operation does not violate a limit, and both computational operations do
4 not operate upon a same element;
5 means for executing the two computational operations if either computational
6 operation does not violate the limit, both computational operations operate
7 upon the same element, and both computational operations are addition
8 operations;
9 means for executing the computational operations if either computational
10 operation does not violate the limit, both computational operations operate
11 upon the same element, and both computational operations are assignment
12 operations that assign a same value to the same element; and

13 means for executing the two computational operations if one but not the other of
14 the computational operations violates a limit, and both computational
15 operations do not operate upon a same element.